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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/618,711

07/15/2003

Hideki Kobayashi

Q76339

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23373

7590

07/19/2006

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EXAMINER

GOMA, TAWFIK A

ART UNIT

PAPER NUMBER

2627

DATE MAILED: 07/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/618,711	KOBAYASHI, HIDEKI	
	<b>Examiner</b>	<b>Art Unit</b>	
	Tawfik Goma	2627	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 May 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) 3-4 and 7-8 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,5 and 6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Priority*

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-2 and 5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Muramatsu et al (US 5177729) in view of Sako et al (US 6707784).

Regarding claim 1, Muramatsu discloses an information recording/reproducing apparatus for reproducing comprising: a demodulator for performing a demodulation processing on a read signal read from said recording medium corresponding to each of the modulation schemes to generate a data signal for each demodulation processing (7, fig. 1 and 8 fig. 1); an error corrector for performing error correction processing on each of the data signals to generate a corrected data signal corresponding to each of the data signals (11, 12, fig. 1); and an output part for selectively outputting the corrected data signal corresponding to the data signal having the lowest error ratio among the data signals as a reproduced data (13, fig. 1). Muramatsu fails to disclose wherein the data signal is an address data, and that the address data is modulated using different modulation schemes. In the same field of endeavor, Sako discloses demodulating address data with two different demodulators (91, 92, fig. 13 and col. 14 lines 46-

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67), wherein the demodulators correspond to different modulation schemes of the address data (col. 13 lines 58-65). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the recording apparatus disclosed by Muramatsu with the address demodulators that correspond to different modulation schemes as taught by Sako. The rationale is as follows: One of ordinary skill in the art at the time of the applicant's invention would have been motivated to reproduce address data in order to properly reproduce the contents of the disc. Furthermore, one of ordinary skill in the art would have been motivated to reproduce data with demodulator's that correspond to modulation schemes of the recorded data in order to reproduce discs that contain both data and audio format information such as taught by Sako (figs. 1 and 2).

Regarding claim 2, Muramatsu further discloses an information recording/reproducing apparatus according further comprising: an error detector for performing error detection processing on each of the data signals to generate an error detection result signal including an error ratio of each of said data signals (col. 3 lines 61-66), and information indicating whether or not each of the data signals can be corrected by said error corrector (EP pointer information, col. 3 lines 65-67 thru col. 4 lines 1-7), wherein said an output part includes: a determining part for determining based on the error detection result signal an data signal which is correctable and has the lowest error ratio from said address data signals (col. 4 lines 12-16 and 13, fig. 1); and a selector for selecting a corrected data signal corresponding to the address data signal determined by said determining part from said corrected data signals to output the corrected address data signal selected thereby as the reproduced data (13, fig. 1, fig. 4 and col. 3 lines 66-68 thru col. 8

lines 1-7 and col. 4 lines 12-15). It would have been obvious for the data to be address data as taught by Sako for the same reasons as in claim 1.

Method claims 5 and 6 are drawn to the method of using the corresponding apparatus claimed in claims 1 and 2. Therefore method claims 5 and 6 correspond to apparatus claims 1 and 2 and are rejected for the same reasons of obviousness applied above.

### ***Election/Restrictions***

Applicant's election with traverse of Species B in the reply filed on 5/22/2006 is acknowledged. The traversal is on the ground(s) that the claims would not create an undue burden for the examiner. This is not found persuasive because undue burden is shown by Applicant's disclosure of mutually exclusive embodiments of the information recording/reproducing apparatus/method.

The requirement is still deemed proper and is therefore made FINAL.


Claims 3-4 and 7-8 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected Species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 5/22/2006.

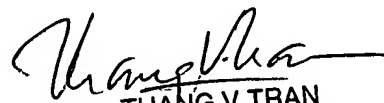
### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tawfik Goma whose telephone number is (571) 272-4206. The examiner can normally be reached on 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
T. Goma  
7/13/2006

  
THANG V. TRAN  
PRIMARY EXAMINER